Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-15. (Cancelled).

16. (Currently Amended) A gas burner type combustion device which projects a mix of air and gas inflamed at the outlet of a pipe, the burner comprising:

a main body 100 having: 1) an upper end 110 fitted with a gas inlet in the form of a coupling 111 and 2) a lower end 120 which opens out to allow an inflamed gas and air mix to escape to create a flame;

wherein the cone (200) deploys or retracts so that the diameter of the base of the cone (200) changes during the operating of the burner (B) according to the usage of the burner (B) so that the flame takes on the deployed or retracted shape of the cone (200) whilst in operation;

a movable diffusion cone 200 located at the lower end 120, the diffusion cone 200 having a tip 210 located at least upstream from a flame creation zone to ensure the bursting of the air and gas mix,

wherein the movement of the cone 200 permits the variation in strength of the flame.

17. (Cancelled).

18. (Currently Amended) [[A]] The device according to claim 16, wherein the cone (200) further comprises a lower part (220), wherein the lower part includes a plurality of blades (221) articulated in relation to the tip so as to move from a deployed position to a retracted position and vice versa.

19. (Currently Amended) [[A]] The device according to claim [[17]] 16, wherein the opening and closing of the cone (200) as well as its relative displacement in relation to the body (100) of the burner (B) are actuated by the relative controlled displacements of at least one control rod (300).

20. (Currently Amended) [[A]] The device according to claim 19, further comprising a spacer (330) located on the inside of the cone (200) and constantly touching [[the]] at least one of a plurality of blades (221), wherein the spacer is connected to said control rod (300) whose actuation ensures the displacement of said spacer (330) and the deployment or retraction of said blades (221).

21. (Currently Amended) [[A]] The device according to claim 20, wherein the spacer (330) is in helical connection with said rod (300) whose rotation ensures the displacement of said spacer (330) on the inside of the cone (200).

22. (Currently Amended) [[A]] The device according to claim 18, wherein the blades (221) overlap, one blade over the other irrespective of their position.

23. (Currently Amended) [[A]] The device according to claim 16, wherein the cone (200) co-operates with a fixed nozzle tip (121) located at the lower end (120) of the burner (B).

24. (Currently Amended) [[A]] The device according to claim 16, of the type used for thermal weed killing, further comprising a bell cover (400) coaxial to the axis of diffusion of the flames, wherein the bell cover is constituted by an external cylindrical surface (410) with the purpose of maintaining a safety perimeter around the burner (B) and by a horizontal ~~surfaces~~ surface (420) to maintain the hot air above the contact point of the ground with the flames.

25. (Currently Amended) [[A]] The device according to claim 24, wherein said bell cover (400) is rotary mounted in a moveable manner in relation to the body (100) of the burner (B) along the vertical axis of the burner (B).

26. (Currently Amended) [[A]] The device according to claim 16 of the type used for thermal weed killing, wherein the burner (B) is associated to at least one wheel (600) by means of an arm (610) itself swiveling at least around the vertical axis defined by the burner (B).

27. (Currently Amended) [[A]] The device according to claim 16 of the type used for thermal weed killing, wherein the burner (B) further comprises a protector (700) located at the lower end.

28. (Currently Amended) [[A]] The device according to claim 23, wherein the fixed nozzle tip (121) and the diffusion cone take a different conical shape or a different slope.

29. (Currently Amended) [[A]] The device according to claim 23, wherein the upper end (110) of the body (100) of the burner (B) is constituted by ~~a sphere~~ an at least partially spherical member (112) which comprises openings to allow at least the injection of gas and the intake of air.

30. (Cancelled)

31.(New) A gas burner type combustion device which projects a mix of air and gas inflamed at the outlet of a pipe, the burner comprising:

a main body 100 having: 1) an upper end 110 fitted with a gas inlet in the form of a coupling 111 and 2) a lower end 120 which opens out to allow an inflamed gas and air mix to escape to create a flame;

a movable diffusion cone 200 located at the lower end 120, the diffusion cone 200 having a tip 210 located at least upstream from a flame creation zone to ensure the bursting of the air and gas mix,

wherein the movement of the cone 200 permits the variation in strength of the flame; and

wherein the burner is associated to at least one wheel (600) by means of an arm (610) itself swiveling at least around the vertical axis defined by the burner.

32. (New) A gas burner type combustion device which projects a mix of air and gas inflamed at the outlet of a pipe, the burner comprising:

a main body 100 having: 1) an upper end 110 fitted with a gas inlet in the form of a coupling 111 and 2) a lower end 120 which opens out to allow an inflamed gas and air mix to escape to create a flame;

a movable diffusion cone 200 located at the lower end 120, the diffusion cone 200 having a tip 210 located at least upstream from a flame creation zone to ensure the bursting of the air and gas mix,

wherein the movement of the cone 200 permits the variation in strength of the flame;

wherein the cone (200) co-operates with a fixed nozzle tip (121) located at the lower end (120) of the burner (B); and

wherein the upper end (110) of the body (100) of the burner (B) is constituted by an at least partially spherical member (112) which comprises openings to allow at least the injection of gas and the intake of air.

33. (New) A gas burner type combustion device which projects a mix of air and gas inflamed at the outlet of a pipe, the burner comprising:

a main body 100 having: 1) an upper end 110 fitted with a gas inlet in the form of a coupling 111 and 2) a lower end 120 which opens out to allow an inflamed gas and air mix to escape to create a flame;

a movable diffusion cone 200 located at the lower end 120, the diffusion cone 200 having a tip 210 located at least upstream from a flame creation zone to ensure the bursting of the air and gas mix,

a bell cover (400) coaxial to the axis of diffusion of the flames, wherein the bell cover is constituted by an external cylindrical surface (410) with the purpose of maintaining a safety perimeter around the burner (B) and by a horizontal surface (420) to maintain the hot air above the contact point of the ground with the flames; and

wherein the movement of the cone 200 permits the variation in strength of the flame;

wherein said bell cover (400) is rotary mounted in a moveable manner in relation to the body (100) of the burner (B) along the vertical axis of the burner (B).